The Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A compound of the formula I:

$$Z \xrightarrow{X} \stackrel{H}{\stackrel{OH}{\stackrel{R_{15}}{\longrightarrow}}} \stackrel{QH}{\stackrel{R_{15}}{\nearrow}} \stackrel{R_{15}}{\stackrel{N}{\longrightarrow}} \stackrel{R_{0}}{\stackrel{R_{0}}{\longrightarrow}} \stackrel{R_{0}}{\longrightarrow} \stackrel{R_{0}}$$

or pharmaceutically acceptable salts thereof, wherein

Z is hydrogen, $(C_3-C_7 \text{ cycloalkyl})_{0-1}(C_1-C_8 \text{ alkyl})$ -, $(C_3-C_7 \text{ cycloalkyl})_{0-1}(C_2-C_6 \text{ alkenyl})$ -, alkoxyalkoxyalkyl, $(C_3-C_7 \text{ cycloalkyl})_{0-1}(C_2-C_8 \text{ alkynyl})$ - or $(C_3-C_7 \text{ cycloalkyl})$ -, wherein each of said groups is optionally substituted with 1, 2, or 3 R_Z groups, wherein 1 or 2 methylene groups within said $(C_3-C_7 \text{ cycloalkyl})_{0-1}(C_1-C_8 \text{ alkyl})$ -, $(C_3-C_7 \text{ cycloalkyl})_{0-1}(C_2-C_8 \text{ alkynyl})$ - or $(C_3-C_7 \text{ cycloalkyl})$ - groups are optionally replaced with -(C=O)-;

wherein R_z at each occurrence is independently halogen, -OH, -SH, -CN, -CF₃, -OCF₃, C_1 - C_6 alkoxy, C_3 - C_7 cycloalkyl, C_3 - C_7 cycloalkoxy or -NR₁₀₀R₁₀₁;

where R_{100} and R_{101} are independently H, C_1 - C_6 alkyl, phenyl, $CO(C_1$ - C_6 alkyl) or SO_2C_1 - C_6 alkyl;

X is -(C=O)-, -(C=S)- $-(SO_2)-$;

R₁ is C₁-C₁₀ alkyl optionally substituted with 1, 2, or 3 groups independently selected from halogen, -OH, =O, -SH, -CN, -CF₃, -OCF₃, -C₃₋₇ cycloalkyl, -C₁-C₄ alkoxy, amino, monodialkylamino, aryl, heteroaryl, and heterocycloalkyl, wherein each aryl group is optionally substituted with 1, 2 or 3 R₅₀ groups;

R₅₀ is selected from halogen, OH, SH, CN, -CO-(C₁-C₄ alkyl), -NR₇R₈, -S(O)₀₋₂-(C₁-C₄ alkyl), C₁-C₆ alkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₁-C₈ alkoxy, -O-benzyl, alkenyloxy, alkoxyalkoxyalkoxy, and C₃-C₈ cycloalkyl; wherein the alkyl, alkenyl, alkynyl, alkoxy and cycloalkyl groups are optionally substituted with 1 or 2 substituents independently selected from C₁-C₄ alkyl, halogen, OH, -NR₅R₆, CN, C₁-C₄ haloalkoxy, NR₇R₈, and C₁-C₄ alkoxy; R₅ and R₈ are independently H or C₁-C₆ alkyl; or

 R_5 and R_8 and the nitrogen to which they are attached form a 5 or 6 membered heterocycloalkyl ring; and R_7 and R_8 are independently selected from H; $-C_1-C_4$ alkyl optionally substituted with 1, 2, or 3 groups independently selected from -OH, -NH₂, and halogen; $-C_3-C_8$ cycloalkyl; $-(C_1-C_4$ alkyl)- $-(C_1-C_4$ alkyl); $-(C_2-C_4$ alkenyl; and $-(C_2-C_4$ alkynyl;

wherein each heteroaryl is optionally substituted with 1 or 2 R_{50} groups; wherein each heterocycloalkyl group is optionally substituted with 1 or 2 groups that are independently R_{50} or =0;

R₂ and R₃ are independently selected from

-H:

-F:

-C₁-C₆ alkyl optionally substituted with a substituent selected from -F, -OH, -C \equiv N, -CF₃, C₁-C₃ alkoxy, and -NR₅R₆;

-(CH₂)₀₋₂-R₁₇;

-(CH₂)₀₋₂-R₁₈;

-C₂-C₆ alkenyl or C₂-C₆ alkynyl, wherein each is optionally substituted with an independent substituent selected from -F, $\underline{-OH}$, $\underline{-OH}$, -C \equiv N, -CF₃ and C₁-C₃ alkoxy;

-(CH₂)₀₋₂-C₃-C₇ cycloalkyl, optionally substituted an independent substituent selected from -F, -OH, , -C \equiv N, -CF₃, C₁-C₃ alkoxy and -NR₅R₆; or

wherein R_2 , R_3 and the carbon to which they are attached form a carbocycle of three thru seven carbon atoms, wherein one carbon atom is optionally replaced by a group selected from -O-, -S-, $-SO_2$ -, or $-NR_7$ -;

where R_{17} at each occurrence is an aryl group selected from phenyl, 1-naphthyl, 2-naphthyl, indanyl, indenyl, dihydronaphthyl and tetralinyl, wherein said aryl groups are optionally substituted with one or two groups that are independently $-C_1-C_3$ alkyl, $-C_1-C_4$ alkoxy; CF_3 ; or

 $-C_z-C_\theta$ alkenyl or $-C_z-C_\theta$ alkynyl each of which is optionally substituted with one substituent selected from F, OH, C_1-C_3 alkoxy; or

-halogen;

-OH:

-C≡N:

-C₃-C₇ cycloalkyl;

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-CO-(C<sub>1</sub>-C<sub>4</sub> alkyl);
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-SO₂-(C₁-C₄ alkyl);

where R₁₈ is a heteroaryl group selected from pyridinyl, pyrimidinyl, quinolinyl, indolyl, pryidazinyl, pyrazinyl, isoquinolyl, quinazolinyl, quinoxalinyl, phthalazinyl, imidazolyl, isoxazolyl, oxazolyl, thiazolyl, furanyl, thienyl, pyrrolyl, oxadiazolyl or thiadiazolyl, wherein each of said heteroaryl groups is optionally substituted with one or two groups that are independently

 $-C_1-C_8$ alkyl optionally substituted with one substituent selected from OH, C=N, CF₃, C₁-C₃ alkoxy, and -NR₅R₆,

wherein R_{15} is selected from hydrogen, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_1 - C_6 alkoxy C_1 - C_6 alkyl, hydroxy C_1 - C_6 alkyl, halo C_1 - C_6 alkyl, benzyl, - $C(O)_2$ -benyl, and alkoxycarbonyl, wherein the alkyl and phenyl portion of each is unsubstituted or substituted with 1, 2, 3, or 4 groups independently selected from halogen, C_1 - C_6 alkyl, hydroxy, C_1 - C_6 alkoxy, NH_2 , and $-R_{26}$ - R_{27} ;

wherein R_{26} is selected from a bond, -C(O)-, $-SO_{2}$ -, $-CO_{2}$ -, $-C(O)NR_{5}$ -, and $-NR_{5}C(O)$ -.

wherein R_{27} is selected from C_1 - C_6 alkyl, C_1 - C_6 alkoxy, aryl C_1 - C_6 alkyl, heterocycloalkyl, and heteroaryl, wherein each of the above is unsubstituted or substituted with 1, 2, 3, 4, or 5 groups that are independently C_1 - C_4 alkyl, C_1 - C_4 alkoxy, halogen, haloalkyl, hydroxyalkyl, -NR₅R₆, -C(O)NR₅R₆;

wherein Rc is selected from

heteroaryl;

heterocycloalkyl;

- -heteroaryl-aryl;
- -heteroaryl-heterocycloalkyl;
- -heteroaryl-heteroaryl;
- -heterocycloalkyl-heteroaryl;
- -heterocycloalkyl-heterocycloalkyl;
- -heterocycloalkyl-aryl;

wherein each aryl group is optionally substituted with 1, 2, 3 or 4 R_{200} groups; wherein each heteroaryl group is optionally substituted with 1, 2, 3, or 4 R_{200} ; wherein each heterocycloalkyl group is optionally substituted with 1, 2, 3, or 4 R_{210} ; wherein R_{200} at each occurrence is independently selected from -C₁-C₆ alkyl optionally substituted with 1, 2, or 3 R_{205} groups;

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-OH;
-NO2:
-halogen;
-C≡N;
-CHO;
-(CH<sub>2</sub>)<sub>0.4</sub>-CO-NR<sub>220</sub>R<sub>225</sub>;
-(CH<sub>2</sub>)<sub>0-4</sub>-CO-(C<sub>1</sub>-C<sub>6</sub> alkyl);
-(CH<sub>2</sub>)<sub>0-4</sub>-CO-(C<sub>2</sub>-C<sub>8</sub> alkenyl);
-(CH<sub>2</sub>)<sub>0-4</sub>-CO-(C<sub>2</sub>-C<sub>8</sub> alkynyl);
-(CH<sub>2</sub>)<sub>0.4</sub>-CO-(C<sub>3</sub>-C<sub>7</sub> cycloalkyl);
-(CH<sub>2</sub>)<sub>0-4</sub>-(CO)<sub>0-1</sub>-aryl;
-(CH<sub>2</sub>)<sub>0-4</sub>-(CO)<sub>0-1</sub>-heteroaryl;
-(CH<sub>2</sub>)<sub>0-4</sub>-(CO)<sub>0-1</sub>-heterocycloalkyl;
-(CH<sub>2</sub>)<sub>0-4</sub>-CO<sub>2</sub>R<sub>215</sub>;
-(CH2)0.4-SO2-NR220R225;
-(CH_2)_{0-4}-S(O)_{0-2}-(C_1-C_8 \text{ alkyl});
-(CH<sub>2</sub>)<sub>0-4</sub>-S(O)<sub>0-2</sub>-(C<sub>3</sub>-C<sub>7</sub> cycloalkyl);
-(CH<sub>2</sub>)<sub>0-4</sub>-N(H or R<sub>215</sub>)-CO<sub>2</sub>R<sub>215</sub>;
-(CH<sub>2</sub>)<sub>0.4</sub>-N(H or R<sub>215</sub>)-SO<sub>2</sub>-R<sub>220</sub>;
-(CH_2)_{0-4}-N(H \text{ or } R_{215})-CO-N(R_{215})_2;
-(CH<sub>2</sub>)<sub>0-4</sub>-N(-H or R<sub>215</sub>)-CO-R<sub>220</sub>;
-(CH<sub>2</sub>)<sub>0-4</sub>-NR<sub>220</sub>R<sub>225;</sub>
-(CH<sub>2</sub>)<sub>0-4</sub>-O-CO-(C<sub>1</sub>-C<sub>6</sub> alkyl);
-(CH<sub>2</sub>)<sub>0-4</sub>-O-(R<sub>215</sub>);
-(CH<sub>2</sub>)<sub>0-4</sub>-S-(R<sub>215</sub>);
-(CH_2)_{0-4}-O-(C_1-C<sub>6</sub> alkyl optionally substituted with 1, 2, 3, or 5 -F);
-C2-C6 alkenyl optionally substituted with 1 or 2 R205 groups;
-C2-C6 alkynyl optionally substituted with 1 or 2 R205 groups;
and
-(CH<sub>2</sub>)<sub>0-4</sub>- C<sub>3</sub>-C<sub>7</sub> cycloalkyl;
wherein each aryl group included within R<sub>200</sub> is optionally substituted with 1, 2, or 3
groups that are independently
              -R<sub>205</sub>,
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-R₂₁₀ or

- C_1 - C_6 alkyl substituted with 1, 2, or 3 groups that are independently R_{205} or R_{210} ; wherein each heterocycloalkyl group included within R_{200} is optionally substituted with 1, 2, or 3 groups that are independently R_{210} ;

wherein each heteroaryl group included within R_{200} is optionally substituted with 1, 2, or 3 groups that are independently

- -R₂₀₅,
- -R₂₁₀, or
- -C1-C8 alkyl substituted with 1, 2, or 3 groups that are independently
 - -R₂₀₅ or
 - -R₂₁₀;

wherein R₂₀₅ at each occurrence is independently selected from

- -C₁-C₆ alkyl,
- -C2-C6 alkenyl,
- -Cz-C6 alkynyl,
- -C₁-C₆ haloalkoxy
- -(CH₂)₀₋₃(C₃-C₇ cycloalkyl)
- -halogen,
- -(CH₂)₀₋₈-OH,
- -O-phenyl,
- -alkenyl-phenyl,
- -SH,
- -(CH₂)₀₋₆-C≡N,
- -(CH₂)₀₋₆-C(=O)NR₂₃₅R₂₄₀
- -CF₃,
- -C(O)2-benzyl,
- -C₁-C₆ alkoxy, and
- -NR₂₃₅R₂₄₀,

wherein R_{210} at each occurrence is independently selected from

- -C₁-C₈ alkyl optionally substituted with 1, 2, or 3 R₂₀₅ groups;
- -C₂-C₆ alkenyl optionally substituted with 1, 2, or 3 R₂₀₅ groups;
- -C₂-C₈ alkynyl optionally substituted with 1, 2, or 3 R₂₀₅ groups;
- -halogen;

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-C<sub>1</sub>-C<sub>8</sub> alkoxy;
                                  -C<sub>1</sub>-C<sub>6</sub> haloalkoxy;
                                 -NR<sub>220</sub>R<sub>225</sub>;
                                  -OH:
                                 -C≡N;
                                 -C<sub>3</sub>-C<sub>7</sub> cycloalkyl optionally substituted with 1, 2, or 3 R<sub>205</sub> groups;
                                 -CO-(C<sub>1</sub>-C<sub>4</sub> alkyl);
                                 .SO<sub>2</sub>.NR<sub>235</sub>R<sub>240</sub>;
                                 -CO-NR<sub>235</sub>R<sub>240</sub>;
                                 -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>4</sub> alkyl); and
                                 =O; wherein
wherein R<sub>215</sub> at each occurrence is independently selected from
           -C<sub>1</sub>-C<sub>6</sub> alkyl,
           -(CH2)0-2-(aryl),
           -C2-C6 alkenyl,
           -C2-C6 alkynyl,
          -C3.C7 cycloalkyl,
          -(CH<sub>2</sub>)<sub>0-2</sub>-(heteroaryl), and
          -(CH<sub>2</sub>)<sub>0-2</sub>-(heterocycloalkyl);
                     wherein the aryl group included within R<sub>215</sub> is optionally substituted with 1, 2, or 3
                     groups that are independently
                     -R<sub>205</sub> or
                     -R<sub>210</sub>;
                     wherein the heterocycloalkyl group included within R<sub>215</sub> is optionally substituted
                     with 1, 2, or 3 R<sub>210</sub>;
                     wherein each heteroaryl group included within R_{215} is optionally substituted with
                     1, 2, or 3 R<sub>210</sub>;
          wherein R<sub>220</sub> and R<sub>225</sub> at each occurrence are independently selected from
          -H,
          -C<sub>1</sub>-C<sub>8</sub> alkyl,
          -hydroxy C<sub>1</sub>-C<sub>6</sub> alkyl,
          -amino C1-C6 alkyl,
          -halo C1-C6 alkyl,
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-(CH<sub>2</sub>)<sub>0-2</sub>-(C<sub>3</sub>-C<sub>7</sub> cycloalkyl).
-(C_1-C_8 \text{ alkyl})-O-(C_1-C_3 \text{ alkyl}),
-C2-C6 alkenyl,
-C2-C8 alkynyl,
-aryl,
-heteroaryl, and
-heterocycloalkyi;
wherein the aryl, heteroaryl or heterocycloalkyl group included within R<sub>220</sub> and R<sub>225</sub> is
optionally substituted with 1, 2, or 3 R<sub>270</sub> groups,
wherein R<sub>270</sub> at each occurrence is independently
           -R<sub>205</sub>,
            -C<sub>1</sub>-C<sub>6</sub> alkyl optionally substituted with 1, 2, or 3 R<sub>205</sub> groups;
           -C<sub>2</sub>-C<sub>6</sub> alkenyl optionally substituted with 1, 2, or 3 R<sub>205</sub> groups;
           -C<sub>2</sub>-C<sub>6</sub> alkynyl optionally substituted with 1, 2, or 3 R<sub>205</sub> groups;
           -halogen;
           -C<sub>1</sub>-C<sub>6</sub> alkoxy;
           -C<sub>1</sub>-C<sub>6</sub> haloalkoxy;
           -NR<sub>235</sub>R<sub>240</sub>;
           -OH:
           -C≡N:
           -C<sub>3</sub>-C<sub>7</sub> cycloalkyl optionally substituted with 1, 2, or 3 R<sub>205</sub> groups;
           -CO-(C1-C4 alkyl);
           -SO<sub>2</sub>-NR<sub>235</sub>R<sub>240</sub>;
           -CO-NR<sub>235</sub>R<sub>240</sub>;
           -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>4</sub> alkyl), and
wherein R<sub>235</sub> and R<sub>240</sub> at each occurrence are independently
           -H, or
           -C₁-C6 alkyl; or
           -phenyl.
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- (Original) A compound according to daim 1, wherein Z is (C₃-C₇ cycloalkyl)₀₋₁(C₁-C₆ alkyl)-, (C₃-C₇ cycloalkyl)₀₋₁(C₂-C₆ alkenyl)-, (C₃-C₇ cycloalkyl)₀₋₁(C₂-C₆ alkynyl)- or (C₃-C₇ cycloalkyl)-, wherein each of said groups is optionally substituted with 1, 2, or 3 R_z groups; wherein, R_z at each occurrence is independently halogen, -OH, -CN, C₁-C₆ alkoxy, C₃-C₇ cycloalkyl, C₃-C₇ cycloalkoxy, -NR₁₀₀R₁₀₁; where R₁₀₀ and R₁₀₁ are independently H, C₁-C₆ alkyl, phenyl, CO(C₁-C₆ alkyl) or SO₂C₁-C₆ alkyl.
- 3. (Original) A compound according to claim 1, wherein X is -(C=O)-.
- 4. (Original) A compound according to claim 3, wherein Z is H.
- 5. (Original) A compound according to claim 1, wherein R_1 is C_1 - C_{10} alkyl optionally substituted with 1 or 2 groups independently selected from halogen, -OH, =O, -CF₃, -OCF₃, -C₃₋₇ cycloalkyl, -C₁-C₄ alkoxy, amino or aryl, wherein the aryl group is optionally substituted with 1 or 2 R_{50} groups;

wherein R₅₀ is selected from halogen, OH, -CO-(C₁-C₄ alkyl), -NR₇R₈, C₁-C₆ alkyl, C₁-C₆ alkoxy and C₃-C₈ cycloalkyl;

wherein the alkyl, alkoxy and cycloalkyl groups are optionally substituted with 1 or 2 substituents independently selected from C_1 - C_4 alkyl, halogen, OH, -NR₅R₆, NR₇R₈, and C_1 - C_4 alkoxy;

wherein R_5 and R_6 at are independently H or C_1 - C_5 alkyl; or wherein R_5 and R_6 and the nitrogen to which they are attached form a 5 or 6 membered heterocycloalkyl ring; and

wherein R_7 and R_8 are independently selected from -H; -C₁-C₄ alkyl optionally substituted with 1, 2, or 3 groups independently selected from -OH, -NH₂, and halogen; -C₃-C₆ cycloalkyl; -(C₁-C₄ alkyl)-O-(C₁-C₄ alkyl).

6. (Original) A compound according to claim 5, wherein R₁ is -CH₂-phenyl where the phenyl ring is optionally substituted with 1 or 2 groups independently selected from halogen, C₁-C₂ alkyl, C₁-C₂ alkoxy and hydroxy.

- 7. (Original) A compound according to claim 6, wherein R₁ is benzyl, 3-fluorobenzyl or 3,5-difluorobenzyl.
- 8. (Original) A compound according to claim 1, wherein R₁₅ is H.
- 9. (Original) A compound according to claim 7, wherein R₁₅ is H.
- 10. (Currently Amended) A compound according to claim 1 of the formula II:

wherein Z is hydrogen, $-C_1-C_6$ alkyl, $-C_2-C_6$ alkenyl, $-C_2-C_6$ alkynyl or $-C_3-C_7$ cycloalkyl, where each of said groups is optionally substituted with 1 or 2 R_Z groups, wherein 1 or 2 methylene groups within said $-C_1-C_6$ alkyl, $-C_2-C_6$ alkenyl, $-C_2-C_6$ alkynyl or $-C_3-C_7$ cycloalkyl groups are optionally replaced with -(C=0)-;

wherein R_z at each occurrence is independently halogen, -OH, -CN, -CF₃, C₁-C₅ alkoxy C₃-C₇ cycloalkyl, C₃-C₇ cycloalkoxy or -NR₁₀₀R₁₀₁;

where R_{100} and R_{101} are independently H, C_1 - C_6 alkyl, phenyl, $CO(C_1$ - C_6 .alkyl) of SO_2C_1 - C_6 alkyl;

wherein X is -C(=O)-;

wherein R_1 is C_1 - C_{10} alkyl optionally substituted with 1 or 2 groups independently selected from halogen, -OH, =O, -CN, -CF₃, -OCF₃, -C₃-C₇ cycloalkyl, -C₁-C₄ alkoxy, amino, monodialkylamino, aryl, heteroaryl or heterocycloalkyl, wherein the aryl group is optionally substituted with 1 or 2 R_{50} groups;

where R_{50} is halogen, OH, CN, -CO-(C_1 - C_4 alkyl), -NR₇R₈, C_1 - C_6 alkyl, C_2 - C_8 alkenyl, C_2 - C_6 alkoxy and C_3 - C_8 cycloalkyl;

where R_7 and R_8 are selected from H; $-C_1-C_4$ alkyl optionally substituted with 1, 2, or 3 groups selected from -OH, $-NH_2$ and halogen; $-C_3-C_6$ cycloalkyl; $-(C_1-C_4$ alkyl)- $-O-(C_1-C_4$ alkyl); $-C_2-C_4$ alkenyl; and $-C_2-C_4$ alkynyl; and

wherein R_C is selected from

heteroaryl; or

heterocycloalkyl;

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where the heteroaryl group is optionally substituted with 1, 2, 3, or 4 R_{200} groups; and where the heterocycloalkyl group is optionally substituted with 1, 2, 3, or 4 R_{210} groups.

- 11. (Previously Presented) A compound according to claim 10, wherein Z is $-C_1-C_8$ alkyl;
- R₁ is C₁-C₁₀ alkyl substituted with 1 phenyl group, where the phenyl group attached to the alkyl is optionally substituted with 1 or 2 R₅₀ groups, where each R₅₀ is independently halogen, OH, CN, or C₁-C₅ alkyl; and

R_C is heteroaryl, where the heteroaryl group is optionally substituted with 1 or 2 R₂₀₀ groups.

- 12. (Currently Amended) A compound according to claim 1 which that is N-((1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-{[(4R)-6-isopropyl-2,2-dioxido-3,4-dihydro-1H-isothiochromen-4-yl]amino}propyl)acctamide;
- N-((1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-([(4S)-6-isopropyl-2,2-dioxido-3,4-dihydro-1H-isothiochromen-4-yl]amino}propyl)acetamide;
- N-{(1\$,2R)-1-(3,5-difluorobenzyl)-3-[(6-ethyl-2,2-dioxido-3,4-dihydro-1H-isothiochromen-4-yl)amino]-2-hydroxypropyl}acetamide;
- N-{(1S,2R) 1 (3,5 difluorobenzyl)-3-[(6-ethyl-2,2-dioxido-3,4-dihydro-1H-isothiochromen-4-yl)amino]-2-hydroxypropyl}acetamide;
- N-{(1S,2R)-1-(3,5-difluorobenzyl)-3-[(2,2-dioxido-3,4-dihydro-1H-isothiochromen-4-yl)amino]-2-hydroxypropyl}acetamide;
- N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2λ⁶-isothiochroman-4-ylamino)-2-hydroxy-propyl]-2-methylamino-acetamide;
- 2-Amino-N-[1-(3,5-difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2λ⁶-isothiochroman-4-ylamino)-2-hydroxy-propyl]-acetamide;
- N-((1S,2R)-1-(3,5-difluorobenzyl)-3-{[6-ethyl-2-(methylsulfonyl)-1,2,3,4-tetrahydroisoquinolin-4-yl]amino}-2-hydroxypropyl)acetamide;
- N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2λ⁶-isothiochroman-4-ylamino)-2-hydroxy-propyl]-3-methyl-butyramide;
- N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2 λ 6-isothiochroman-4-ylamino)-2-hydroxy-propyl]-3-hydroxy-2,2-dimethyl-propionamide;

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McDonnell Boehnen Hulbert & Berghoff LLP 300 S. Wacker Drive Chicago, IL 60806 (312) 913-0001 N-{(1S,2R)-1-(3,5-difluorobenzyl)-3-[(2,2-dioxido-3,4-dihydro-1,2-benzoxathiin-4-yl)amino]-2-hydroxypropyl}acetamide;

N-{(1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-[(6-iodo-3,4-dihydro-2H-chromen-4-yl)amino]propyl}acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-{[(4S)-6-iodo-3,4-dihydro-2H-chromen-4-yl]amino}propyl)acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-{[(4R)-6-iodo-3,4-dihydro-2H-chromen-4-yl]amino}propyl)acetamide;

N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2 λ ⁸-isothiochroman-4-ylamino)-2-hydroxy-propyl]-3-hydroxy-propionamide;

N-{(1S,2R)-1-(3,5-difluorobenzyl)-3-[(6-ethyl-2,2-dioxido-3,4-dihydro-1,2-benzoxathiin-4-yl)amino]-2-hydroxypropyl}acetamide;

N-{(1S,2R) 1 (3,5-difluorebenzyl)-3-[(6-ethyl-2,2-dioxide-3,4-dihydro-1,2-benzexathiin-4 yl)amine]-2-hydroxypropyl}acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-3-{[4-(3-ethylphenyl)tetrahydro-2H-pyran-4-yl]amino}-2-hydroxypropyl)acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-3-{[(4S)-6-ethyl-3,4-dihydro-2H-chromen-4-yl]amino}-2-hydroxypropyl)acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-3-{[(4R)-6-ethyl-3,4-dihydro-2H-chromen-4-yl]amino}-2-hydroxypropyl)acetamide;

N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2 λ ⁶-isothiochroman-4-ylamino)-2-hydroxy-propyl]-3-hydroxy-butyramide;

N-{(1S,2R)-1-(3,5-diffuorobenzyl)-3-[(6-ethyl-3,4-dihydro-1H-isothiochromen-4-yl)amino]-2-hydroxypropyl}acetamide;

N-((15,2R)-1-(3,5-difluorobenzyl) 2-hydroxy-3-{[1-(3-isobutylisoxazol-5-yl)cyclopropyl]amino}propyl)acetamide;

N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2 λ ⁶-isothiochroman-4-ylamino)-2-hydroxy-propyl]-2-phenyl-acetamide;

{[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2 λ ⁶-isothiochroman-4-ylamino)-2-hydroxy-propylcarbamoyl]-methyl}-methyl-carbamic acid tert-butyl ester;

N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2 λ ⁶-isothiochroman-4-ylamino)-2-hydroxy-propyl]-2-methyl-2-methylamino-propionamide;

N-{(1S,2R)-1-(3,5-difluorobenzyl)-3-[(6-ethyl-2,2-dioxido-3,4-dihydro-1H-2,1-benzothiazin-4-yl)amino]-2-hydroxypropyl}acetamide;

N-{(1S,2R)-1-(3,5-difluorobenzyl)-3-[(6-ethyl-2,2-dioxido-3,4-dihydro-1H-2,1-benzothiazin-4-yl)amino]-2-hydroxypropyl}acetamide;

N-{(1S,2R)-1-(3,5-difluorobenzyl)-3-[(6-ethyl-3-rnethyl-2,2-dioxido-3,4-dihydro-1H-isothiochromen-4-yl)amino]-2-hydroxypropyl}acetamide;

N-{(1S,2R)-1-(3,5-difluorobenzyl)-3-[(6-ethyl-3-methyl-2,2-dioxido-3,4-dihydro-1H-isothiochromen-4-yl)amino]-2-hydroxypropyl}acetamide;

N-{(1\$,2R)-1-(3,5-difluorobenzyl)-3-[(6-ethyl-1-methyl-1,2,3,4-tetrahydroquinolin-4-yl)amino]-2-hydroxypropyl}acetamide;

N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2 λ ⁸-isothiochroman-4-ylamino)-2-hydroxy-propyl]-2-(1H-imidazol-4-yl)-acetamide;

N-[1-(3,5-Difluoro-benzyl)-3-(6-ethyl-2,2-dioxo-2 λ ⁶-isothiochroman-4-ylamino)-2-hydroxy-propyl]-propionamide;

N-((1S,2R) 1-(3,5-difluorobenzyl)-3-{[1-(4-ethylpyridin-2-yl)cyclopropyl]amine}-2-hydroxypropyl)acetamide;

N-((1S,2R)-1-(3,5-difluorobenzy!)-2-hydroxy-3-{[(4S)-6-(1H-pyrrol-3-yl)-3,4-dihydro-2H-chromen-4-yl]amino}propyl)acetamide;

N-{(1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-[(6-isopropyl-3,4-dihydro-2H-chromen-4-yl)amino]propyl}acetamide;

N ((1S,2R) 1 (3,5 difluorobenzyl) 3 {[1 (3 ethylphenyl)-2-(5-methyl 1,3 exazel 2-yl)ethyl]amino}-2-hydroxypropyl)acetamide hydrochloride

N-[(1S,2R)-1-(3,5-difluorobenzyl)-3-(3,4-dihydro-2H-chromen-4-ylamino)-2-hydroxypropyl]acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-{[(4S)-6-isobutyl-3,4-dihydro-2H-chromen-4-yl]amino}propyl)acetamide;

N-[(1S,2R)-3-{[(4S)-6-cyano-3,4-dihydro-2H-chromen-4-yl]amino}-1-(3,5-difluorobenzyl)-2-hydroxypropyl]acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-{[(4S)-6-neopentyl-3,4-dihydro-2H-chromen-4-yl]amino}propyl)acetamide;

N-{(1S,2R)-1-(3,5-difluorobenzyl)-2-hydroxy-3-[(6-neopentyl-3,4-dihydro-2H-chromen-4-yl)amino]propyl}acetamide;

 $N-((1S,2R)-1-(3,5-diffuorobenzyl)-3-\{[(4R)-6-(2,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl)-3,4-dihydro-2H-1,2-dimethylpropyl$

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McDonnell Boehnen Hulbert & Berghoff LLP 300 S. Wacker Drive Chicago, IL 60606 (312) 913-0001 chromen-4-yl]amino}-2-hydroxypropyl)acetamide;

N-[(1S,2R)-3-{[4-(3-tert-butylphenyl)tetrahydro-2H-pyran-4-yl]amino}-1-(3,5-difluorobenzyl)-2-hydroxypropyl]acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-3-{[6-(2,2-dimethylpropyl)-1,2,3,4-tetrahydroquinolin-4-yl]amino}-2-hydroxypropyl)acetamide;

N-[(1S,2R)-3-{[(4S)-6-(2,2-dimethylpropyl)-3,4-dihydro-2H-chromen-4-yl]amino}-1-(3-fluorobenzyl)-2-hydroxypropyl]acetamide;

N ((15,2R) 1 (3,5-difluorobenzyl)-3-{[5 (2,2-dimothylpropyl)-2-(1H-imidazol 1-yl)benzyl]amino} 2 hydroxypropyl)acetamide;

N-((1S,2R)-1-(3,5-difluorobenzyl)-3-{[6-(2,2-dimethylpropyl)-4-methyl-3,4-dihydro-2H-chromen-4-yl]amino}-2-hydroxypropyl)acetamide;

N [(1\$,2R) 1 (3,5-difluorobenzyl)-2-hydroxy-3 ({1 [3-(3-thienyl)phenyl]cyclohexyl)amino)propyl]acetamide;

N-[(1S,2R)-1-(3,5-difluorobonzyl)-3-({1-[4-(2,2-dimethylpropyl)pyridin-2-

or a pharmaceutically acceptable salt thereof.

yl]cyclopropyl}amino)-2-hydroxypropyl]acetamide;

13. (Previously Presented) A method for preparing a compound or salt of

of claim 1, wherein Z, X, R_1 , R_2 , R_3 , R_{15} and R_c are as defined in claim 1, said method comprising

a) reacting an epoxide of the formula

where PG is a nitrogen protecting group that is Cbz, Boc, or benzyl, with a compound of formula H(R₁₅)N-Rc, to form a compound of the formula:

b) deprotecting the amine to form a compound of the formula:

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c) coupling the deprotected amine with a compound of formula Z-X-LG, where LG is a leaving group, to form a compound of the formula:

$$Z_{X'}$$
 N
 N
 R_1
 R_{15}

14. (Previously Presented) A method of treating a subject who has, Alzheimer's disease (AD); treating subjects with mild cognitive impairment (MCI); treating Down's syndrome; treating subjects who have Hereditary Cerebral Hemorrhage with Amyloidosis of the Dutch-Type; treating cerebral amyloid angiopathy and preventing its potential consequences; treating other degenerative dementias; treating dementia associated with Parkinson's disease, progressive supranuclear palsy, or cortical basal degeneration; treating diffuse Lewy body type AD; and frontotemporal dementias with parkinsonism (FTDP), the method comprising administering a therapeutically effective amount of a compound or salt of claim 1 to a person in need of such treatment.